

Project Audit



Project:
USX Quantum

May 4, 2022

UNIFIED SOCIETY

— QUANTUM —

+

USX Quantum

▶

Overview

This audit has been prepared for **USX Quantum** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	USXToken
Ticker	USX
Contract	0x170524577ebE8aF70C2Fff4FCE531A2C9FAE014a
Network	Binance smart chain
Language	Solidity
Tax	Buy: 8% Sell: 30%
Total Supply	2,600,000,000
Status	Not launched

Current stats

Burn	No burned tokens
LP Address	No liquidity added yet
Liquidity	No liquidity added yet
MaxTxAmount	2,600,000

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Featured Wallets

Owner address	0x3296aE6A6f4547d50e46bd2E2d66E4A7d4134A0E
*Team wallet	Not assigned yet
*Marketing wallet	Not assigned yet
*Buyback wallet	Not assigned yet
LP address	Liquidity not added yet

***Owner can change this address in future**

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner
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Tokens are not distributed yet

Security Threats

Owner can change buy fees up to 10% and sell fees up to 40% (combined buy+sell=50%).

```
function updateFees(uint256 newMarketingFee, uint256 newTeamFee,
uint256 newBuyBackFee, uint256 newSellFee, uint256 newLiquidityPercent) public onlyOwner {
    require(newSellFee <= uint256(30), "USX: Sell can not be > than 30%");
    require((newMarketingFee + newTeamFee + newBuyBackFee) <= uint256(10), "USX: Total can not be > than 10%");
    require(newLiquidityPercent < uint256(50), "USX: Liquidity can not be > than 50%");

    _sellFee = newSellFee;
    _liquidityPercent = newLiquidityPercent;

    _marketingFee = newMarketingFee;
    _teamFee = newTeamFee;
    _buyBackFee = newBuyBackFee;

    _totalFees = _marketingFee + _teamFee + _buyBackFee;
}

function _transfer(address from, address to, uint256 amount ) internal override {
    //.....

    if(to == address(_uniswapV2Pair)) {
        fees = (amount * (_totalFees + _sellFee)) / 100;
    }

    if(from == address(_uniswapV2Pair)){
        fees = (amount * _totalFees) / 100;
    }

    //.....
}
```

Security Threats

Owner can blacklist address from trading.

```
function blacklistAddress(address account, bool value) external onlyOwner {
    _isBlacklisted[account] = value;
}
function updateLockStatus(address[] calldata addressList, bool value) external onlyOwner {
    for (uint8 i = 0; i < addressList.length; i++) {
        _isAddressLocked[addressList[i]] = value;
    }
}
```

⚠ Owner can change max transaction limit, but can't lower it than 0.004% of total supply. At least 0.1% or above of total supply is considered as safe.

```
function setMaxTxAMount(uint256 amount) external onlyOwner{
    require(amount >= uint256(115000 * (10**super.decimals()))), "USX: Max trx must be >= 115k");

    _maxTxAMount = amount;
}
```


Security Threats

Owner can reset liquidityBlockNumber. This cause every buy for at least 40 blocks after the current liquidityBlockNumber to be treated as a sniper, and blacklisted respectively.

```
_sniperCodeEnabled = true;

function Launch() external onlyOwner {
    _launch();
}

function _launch() private {
    liquidityAdded = true;
    tradingOpened = true;
    liquidityBlockNumber = block.number;
}

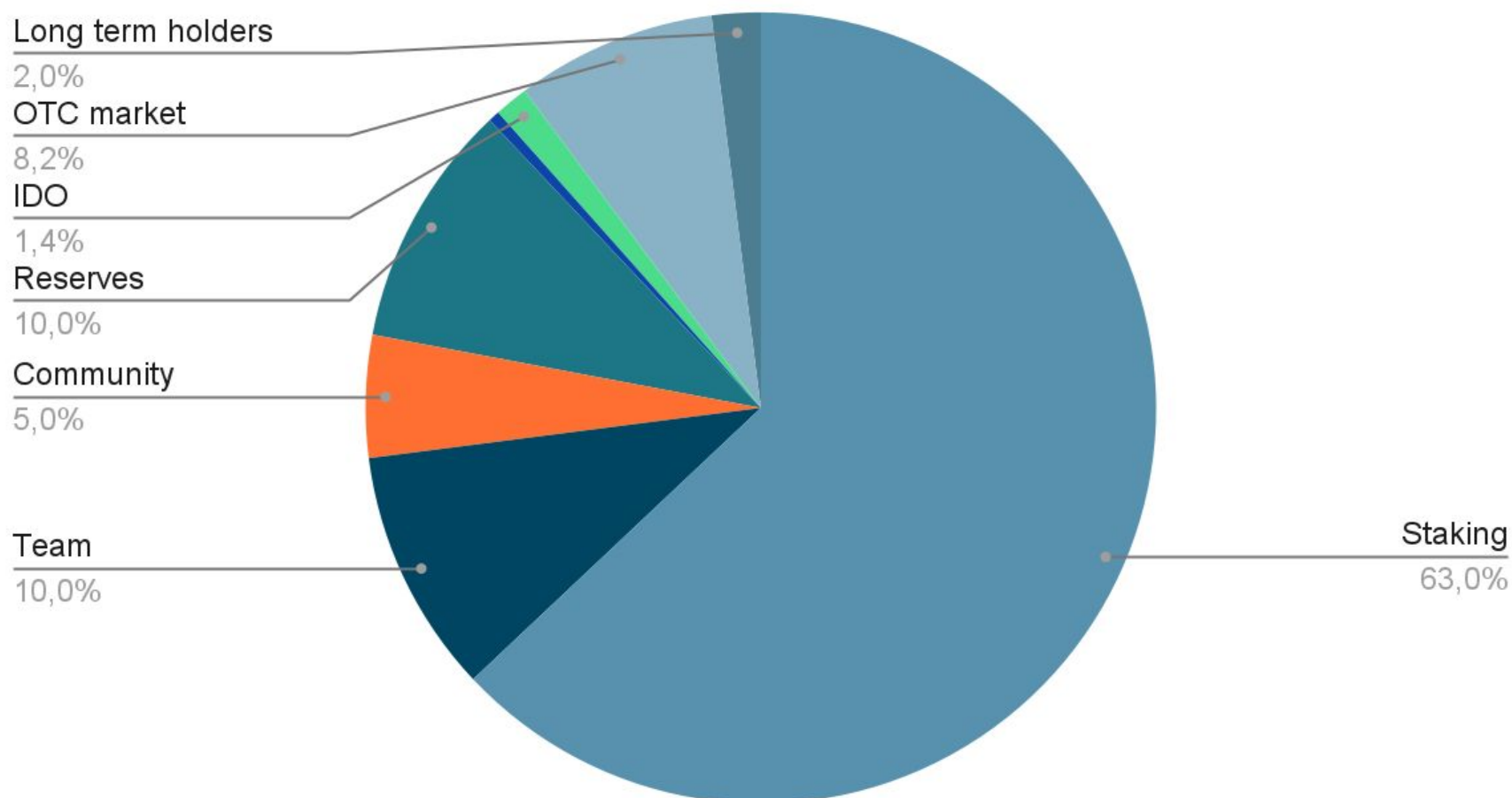
function _transfer(address from, address to, uint256 amount) internal override {
    //.....
    if(!_isSniper[from]) {
        revert('Sniper rejected. ');
    }
    //.....
    if(block.number - liquidityBlockNumber < _sniperBlockExclude) {
        _isSniper[to] = true;
        sniperCount++;
    }
    //.....
}
```

Tokenomics

According to their website:

- 63% - Staking
- 10% - Reserves
- 5% - Community
- 2% - Long term holders
- 10% - Team
- 0.46% - Private sale
- 1.38% - IDO
- 8.23% - OTC market

Tokens distribution



For more information about the project's tokenomics check their whitepaper:
https://www.quantumcode.org/pdf/USX_Quantum_Blockchain_V5.pdf

USX Quantum Project & Team Review

According to their whitepaper:

USX Quantum was founded to bridge the divide between modern and Quantum blockchains. The project's main goal is to build next generation blockchain based on quantum computing. At the early development stages there will be DEFI platform for learning, selling of nft's, and general innovative ideas.

Future project developments:

- Learning platform
- NFT platform
- Socials aggregator
- Staking platform

Team:



Website Analysis

URL: <https://www.quantumcode.org/>

- **Design:** Smooth single page design, pleasant color scheme.
- **Content:** Informative, well structured, no grammar mistakes.
- **Whitepaper:** Very well written and explanatory.
- **Roadmap:** Goals set at least for year a head with time frames.
- **Mobile-friendly?** Yes
- **Technical:** SSL certificate present. General SEO check passed.



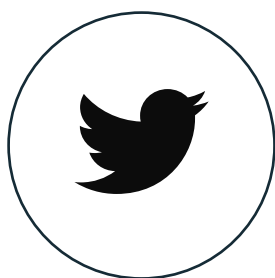
Social Media & Online Presence



Telegram

<https://t.me/unifiedsociety>

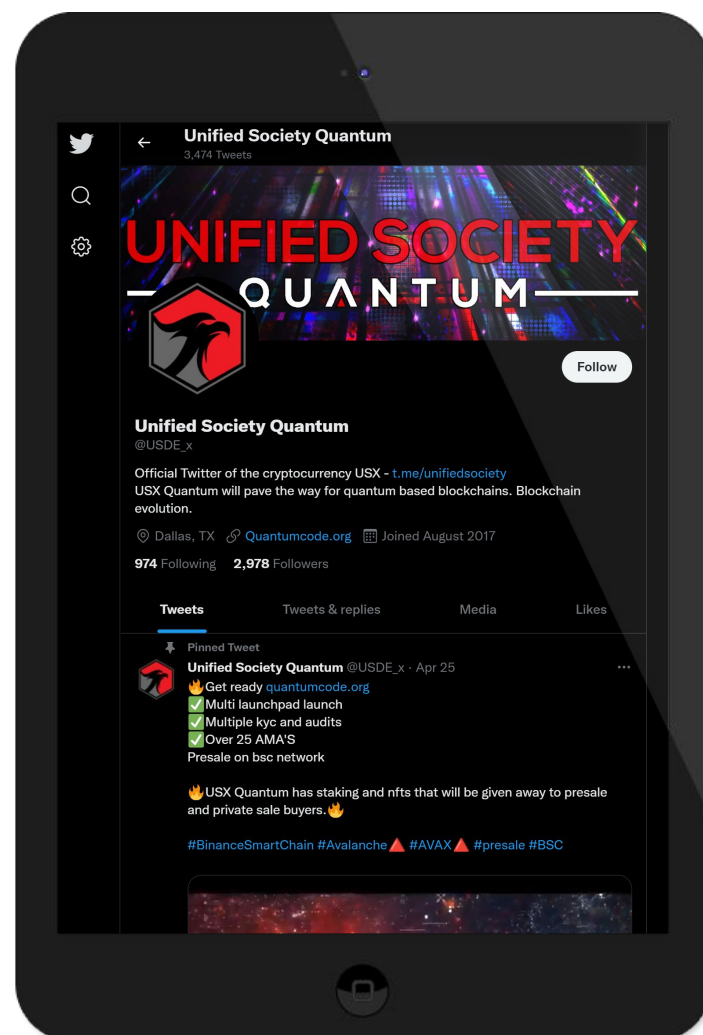
- 3 868 members
- Active members
- Active mod



Twitter

https://twitter.com/usde_x

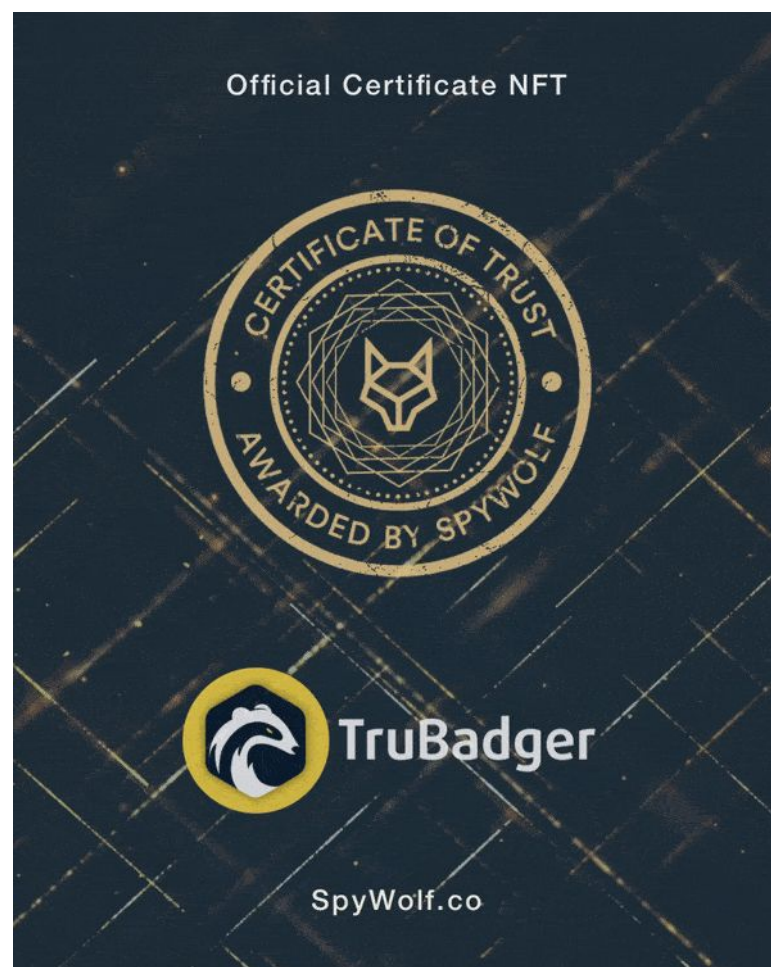
- 2 978 Followers
- Very active



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.